

POLYGLYCEROL AND LACTOSE COMPOSITIONS FOR THE PROTECTION OF LIVING SYSTEMS FROM STATES OF REDUCED METABOLISM

Abstract of the Disclosure

5 Polyglycerol, lactose, and a combination of polyglycerol and lactose are effective
at preserving cells, tissues, and organs from damage due to hypothermic, ischemic, or
other metabolic impairment, and a mixture of polyglycerol plus lactose is particularly
useful for the hypothermic storage of cells, tissues, and organs. The mixture of
polyglycerol and lactose can be further improved by the addition of chondroitin sulfate,
10 chlorpromazine, calcium, citrate, glutathione, adenine, glucose, magnesium, and a pH
buffer.